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64295 Darmstadt (DE).
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Frankfurter Strasse 250, 64293 Darmstadt (DE).
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- (71) Applicant (for all designated States except US): **MERCK
PATENT GMBH** [DE/DE]; Frankfurter Strasse 250,
64293 Darmstadt (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GOODMAN,
Simon** [DE/DE]; Friedrich-Ebert Strasse 102a, 64347
Griesheim (DE). **SCHUPPAN, Detlef** [DE/DE]; Baumzeil
2, 91088 Bubenreuth (DE). **PATSENKER, Eleonora**
[BY/DE]; Vierzigmannstrasse 17/30, 91054 Erlangen
(DE). **POPOV, Yury** [BY/DE]; Woehrstrasse 1, 91054
Erlangen (DE). **BAUER, Michael** [DE/DE]; Mozart-
strasse 54b, 91052 Erlangen (DE). **WIESNER, Matthias**
[DE/DE]; Beethovenring 10, 64342 Seeheim-Jugenheim
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(54) Title: ALFAVBETA3 AND ALFAVBETA6 INTEGRIN ANTAGONISTS AS ANTIFIBROTIC AGENTS

(57) Abstract: This invention relates to inhibition of α v integrins, especially α vB3 and α vB6 integrins, by specific antagonists, preferably non-peptidic antagonists, related compounds and compounds with comparable specificity, that downregulate fibrogenesis by inhibiting cell migration and production of pro-fibrogenic molecules (e.g., collagens, TIMP-1) and cytokines (e.g., CTGF) by activated hepatic stellate cells/myofibroblasts, activated epithelia and endothelia. These antagonists alone or in combination with other agents can effectively prevent, mitigate or even reverse development of advanced fibrosis, such as fibrosis/cirrhosis of the liver and fibrosis of other organs, such as lungs, kidneys, intestine, pancreas, skin and arteries.



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